

CLAIMS

What is claimed is:

- 1 1. A method comprising:
2 receiving a signal having a number of frames into a device coupled to a
3 display;
4 retrieving a past viewing profile for a user of the device and at least one cue
5 regarding viewing preferences provided by the user; and
6 storing at least one sequence that is comprised of at least one frame based on
7 the past viewing profile of the user of the device and the at least one cue regarding
8 viewing preferences provided by the user.

- 1 2. The method of claim 1, further comprising updating an electronic
2 programming guide associated with the user with identification of the at least one
3 sequence that is stored.

- 1 3. The method of claim 1, wherein storing the at least one sequence based on
2 the past viewing profile of the user of the device and the at least one cue regarding
3 viewing preferences provided by the user comprises generating weighted scores for
4 the number of frames based on a programming type for a program in a channel of
5 the signal.

- 1 4. The method of claim 1, further comprising receiving the at least one cue
2 from the user through a multimodal interface.

- 1 5. The method of claim 3, wherein receiving the at least one cue from the user
2 through the multimodal interface comprises receiving a video sequence from the
3 user through the multimodal interface.

1 6. The method of claim 3, wherein receiving the at least one cue from the user
2 through the multimodal interface comprises receiving an audio sequence from the
3 user through the multimodal interface.

1 7. The method of claim 3, wherein receiving the at least one cue from the user
2 through the multimodal interface comprises receiving text from the user through the
3 multimodal interface.

1 8. The method of claim 1, further comprising updating an electronic
2 programming guide associated with the user based on the past viewing profile for
3 the user of the device.

1 9. A method comprising:
2 receiving a signal that includes a number of frames into a device coupled to
3 a display;
4 retrieving at least one cue related to preferences of a viewer of the display,
5 wherein the at least one cue is selected from the group consisting of a video
6 sequence, an audio sequence, text; and
7 performing the following operations for a frame of the number of frames:
8 generating a match score based on a comparison between at least one
9 characteristic of the frame and the at least one cue; and
10 storing the frame upon determining that the match score for the
11 frame exceeds an acceptance threshold.

1 10. The method of claim 9, wherein performing the following operations for the
2 frame of the number of frames further comprises deleting the frame upon
3 determining that the match score for the frame does not exceed the acceptance
4 threshold.

1 11. The method of claim 9, further comprising updating an electronic
2 programming guide associated with the user with identification of the frames of the
3 number of frames that are stored.

1 12. The method of claim 9, further comprising receiving the at least one cue
2 from the user through a multimodal interface.

1 13. The method of claim 9, wherein generating the match score based on the
2 comparison between the at least one characteristic of the frame and the at least one
3 cue comprises generating the match score based on at least two comparisons
4 between at least two characteristics and at least two cues, wherein the at least two
5 comparisons are weighted based on a programming type for a program of which the
6 number of frames are within.

1 14. An apparatus comprising:
2 a storage medium; and
3 a media asset management logic to receive frames of a program on a channel
4 in a signal and to selectively store less than all of the frames into the storage
5 medium based on at least one cue related to at least one viewing preference
6 provided by the user.

1 15. The apparatus of claim 14, wherein the media asset management logic is to
2 selectively store less than all of the frames based on a weighted score for frames,
3 wherein weights of the weighted score are based on a programming type for the
4 program.

1 16. The apparatus of claim 14, wherein the storage medium is to store an
2 electronic programming guide associated with the user, wherein the media asset
3 management logic is to update the electronic programming guide with
4 identifications of the video that is to be selectively stored.

1 17. The apparatus of claim 14, further comprising an input/output logic to
2 receive, through a multimodal interface, the at least one cue from the user, wherein
3 the at least one cue is selected from a group consisting of a video sequence, an audio
4 sequence, and text.

1 18. A system comprising:
2 a storage medium;
3 an input/output (I/O) logic to receive at least one cue related to viewing
4 preferences of a user of the system;
5 a tuner to receive a signal that includes a number of channels;
6 a media asset management logic to cause the tuner to tune to a channel of the
7 number of channels based on a viewing profile of a user of the system, wherein the
8 media asset management logic comprises:
9 a management control logic to generate a match score for a frame of
10 a number of frames within a program on the channel based on a comparison
11 between at least one characteristic in the frame and the at least one cue,
12 wherein the management control logic is to mark the frame as acceptable if
13 the match score exceeds an acceptance threshold; and
14 a sequence composer logic is to store, in the storage medium, at least
15 one sequence that comprises at least one frame that is marked as acceptable;
16 and
17 a cathode ray tube display to display the at least one sequence.

1 19. The system of claim 18, wherein the match score is a composite weighted
2 score for the frame based on comparisons between at least two characteristics in the
3 frame and at least two cues.

1 20. The system of claim 18, wherein the at least two characteristics in the frame
2 are selected from the group consisting of shapes, text and audio.

1 21. The system of claim 18, wherein the composite weighted score is weighted
2 based on a programming type for the program.

1 22. The system of claim 14, wherein the sequence composer logic is to update
2 an electronic programming guide specific to the user based on the at least one
3 sequence that is to be stored.

1 23. A machine-readable medium that provides instructions, which when
2 executed by a machine, cause said machine to perform operations comprising:
3 receiving a signal having a number of frames into a device coupled to a
4 display;
5 retrieving a past viewing profile for a user of the device and at least one cue
6 regarding viewing preferences provided by the user; and
7 storing at least one sequence that is comprised of at least one frame based on
8 the past viewing profile of the user of the device and the at least one cue regarding
9 viewing preferences provided by the user.

1 24. The machine-readable medium of claim 23, further comprising updating an
2 electronic programming guide associated with the user with identification of the at
3 least one sequence that is stored.

1 25. The machine-readable medium of claim 23, wherein storing the at least one
2 sequence based on the past viewing profile of the user of the device and the at least
3 one cue regarding viewing preferences provided by the user comprises generating
4 weighted scores for the number of frames based on a programming type for a
5 program in a channel of the signal.

1 26. The machine-readable medium of claim 23, further comprising updating an
2 electronic programming guide associated with the user based on the past viewing
3 profile for the user of the device.

1 27. A machine-readable medium that provides instructions, which when
2 executed by a machine, cause said machine to perform operations comprising:
3 receiving a signal that includes a number of frames into a device coupled to
4 a display;
5 retrieving at least one cue related to preferences of a viewer of the display,
6 wherein the at least one cue is selected from the group consisting of a video
7 sequence, an audio sequence, text; and
8 performing the following operations for a frame of the number of frames:
9 generating a match score based on a comparison between at least one
10 characteristic of the frame and the at least one cue; and
11 storing the frame upon determining that the match score for the
12 frame exceeds an acceptance threshold.

1 28. The machine-readable medium of claim 27, wherein performing the
2 following operations for the frame of the number of frames further comprises
3 deleting the frame upon determining that the match score for the frame does not
4 exceed the acceptance threshold.

1 29. The machine-readable medium of claim 27, further comprising updating an
2 electronic programming guide associated with the user with identification of the
3 frames of the number of frames that are stored.

1 30. The machine-readable medium of claim 27, wherein generating the match
2 score based on the comparison between the at least one characteristic of the frame
3 and the at least one cue comprises generating the match score based on at least two
4 comparisons between at least two characteristics and at least two cues, wherein the

- 5 at least two comparisons are weighted based on a programming type for a program
- 6 of which the number of frames are within.